

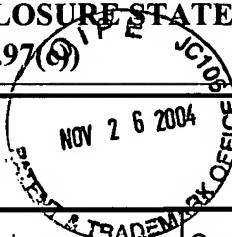
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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. 02007 (16792)	
In Re Application Of: Xiaodong Wang					
Application No. 10/631,991	Filing Date July 31, 2003	Examiner Unassigned	Customer No. 23389	Group Art Unit 2182	Confirmation No. Unassigned
Title: NEAR-OPTIMAL MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO) CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO					
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
37 CFR 1.97(b)					
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.					
37 CFR 1.97(c)					
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:					
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);					
OR					
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).					

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(g))

Docket No.
02007 (16792)

In Re Application: Xiaodong Wang



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Title: NEAR-OPTIMAL MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO)
CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)
_____ (Date)
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Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on 11-22-04
_____ (Date)
<i>Ralph F. Hoppin</i> Signature of Person Mailing Correspondence
Ralph F. Hoppin Typed or Printed Name of Person Mailing Certificate

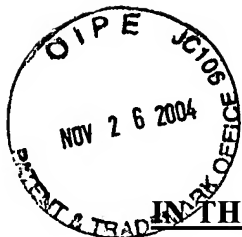
*This certificate may only be used if paying by deposit account.

Ralph F. Hoppin
Signature

Dated: November 22, 2004

Ralph F. Hoppin
Registration No. 38,494
SCULLY, SCOTT, MURPHY & PRESSER
400 Garden City Plaza
Garden City, New York 11530

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Xiaodong Wang	Examiner:	Unassigned
Serial No.:	10/631,991	Group Art Unit:	2182
Filed:	July 31, 2003	Docket:	02007 (16792)
For:	NEAR-OPTIMAL MULTIPLE- INPUT MULTIPLE-OUTPUT (MIMO) CHANNEL DETECTION VIA SEQUENTIAL MONTE CARLO	Dated:	November 22, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Bin Dong et al., "A New Class of Soft MIMO Demodulation Algorithms", IEEE Transactions on Signal Processing, November 2003, Vol. 51, No. 11, pages 2752-2763;
2. Dong Guo et al., "Blind Detection in MIMO Systems via Sequential Monte Carlo", IEEE Journal on Selected Areas In Communications, April 2004, Vol. 21, No. 3, pages 464-473;

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents
Alexandria, VA 22313-1450 on November 22, 2004.

Dated: November 22, 2004


Ralph F. Hoppin

3. Xiaodong Wang et al., "Blind Turbo Equalization in Gaussian and Impulsive Noise", IEEE Transactions on Vehicular Technology, July 2001, Vol. 50, No. 4, pages 1092-1105,
4. Search Report dated June 15, 2004 for GB0404318.8.

The references were cited in a search report in a counterpart foreign application. The Yang reference cited in the search report was previously submitted by Applicants.

Applicants are submitting copies of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(b)(3), no statement or fee is required.

Respectfully submitted,



Ralph F. Hoppin
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RFH:kd

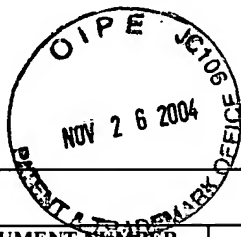
Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 7-80) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION**Atty. Docket No. (Optional)**

02007 (16792)

Application Number

10/631,991

**Applicant(s)**

Xiaodong Wang

Filing Date

July 31, 2003

Group Art Unit

2182

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bin Dong et al., "A New Class of Soft MIMO Demodulation Algorithms", <i>IEEE Transactions on Signal Processing</i> , November 2003, Vol. 51, No. 11, pages 2752-2763.
		Dong Guo et al., "Blind Detection in MIMO Systems via Sequential Monte Carlo", <i>IEEE Journal on Selected Areas In Communications</i> , April 2004, Vol. 21, No. 3, pages 464-473.
		Xiaodong Wang et al., "Blind Turbo Equalization in Gaussian and Impulsive Noise", <i>IEEE Transactions on Vehicular Technology</i> , July 2001, Vol. 50, No. 4, pages 1092-1105.
		Search Report dated June 15, 2004 for GB0404318.8

EXAMINER**DATE CONSIDERED**

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.